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Amendment filed on 11 April 2006 in response to the written opinion by the International Preliminary Examination Authority (IPEA) under PCT Article 34 (Rule 66.3)

1. A plasma exchange waste liquid purification and circulation dialysis apparatus that is used in plasma exchange therapy wherein plasma exchange waste liquid separated in an apparatus for plasma separation in the plasma exchange and purified is circulated as a dialysis solution to dialyze patient's blood to remove harmful substances contained in the plasma.
2. The apparatus of Claim 1, which is used in a simple plasma exchange therapy.
3. The apparatus of Claim 1, which is used in a double-filtration plasma exchange therapy.
4. The apparatus of Claim 1, comprising a purifier and a dialyzer as a constituent element of the apparatus.
5. The apparatus of Claim 4 wherein an apparatus for plasma separation that has been used in the plasma exchange functions also as the dialyzer.
6. The apparatus of Claim 4 or 5 wherein the purifier is composed of an adsorption separator.
7. (deleted)
8. (deleted)
9. A plasma exchange apparatus incorporating the plasma exchange waste liquid purification and circulation dialysis apparatus according to any one of the preceding claims.
10. (deleted)
11. An artificial liver equipped with the apparatus according to any one of the preceding claims.

AMENDED SHEETS